

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053110 A1

(51) International Patent Classification⁷: C12N 1/20

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(21) International Application Number:
PCT/KR2003/002704

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(22) International Filing Date:
10 December 2003 (10.12.2003)

(25) Filing Language: Korean

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
10-2002-0078694
11 December 2002 (11.12.2002) KR

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(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

- with international search report
- with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MICROORGANISM PRODUCING 5'-XANTHYLIC ACID

(57) Abstract: The invention relates to *Corynebacterium ammoniagenes* CJXSP 0201 KCCM 10448 producing 5'-xanthylic acid. More specifically, the invention relates to *Corynebacterium ammoniagenes* CJXSP 0201 KCCM 10448 which is a mutant strain of *Corynebacterium ammoniagenes* KCCM 10340 having a resistance to osmotic pressure. In order to obtain mutant strain having enhanced respiratory activity, the present invention adopted *Corynebacterium ammoniagenes* KCCM 10340 as parent strain and treated it with UV radiation and mutation derivatives such as N-methyl-N'-nitro-N-nitrosoguanidine (NTG) according to ordinary procedure. Therefore, *Corynebacterium ammoniagenes* CJXSP 0201 KCCM 10448 of the present invention makes it possible to overcome growth-standing phase rapidly on early culture and for same period of fermentation, can accumulate 5'-xanthylic acid in culture medium at a high yield and concentration rate.

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